Amendments to the Claims

1.(currently amended)   A method comprising:

~~creating a first encoded pseudo-noise code, wherein the first encoded pseudo-noise code corresponds to a value of a signal to be transmitted; and~~

<u>assigning a first pseudo-noise code to a first user of a plurality of users;</u> <u>and</u>

spreading a first signal ~~by modulating the first signal with the~~ <u>using a</u> first encoded pseudo-noise code <u>generated by inverting one bit of the first pseudo-noise code, wherein the position of the one inverted bit of the first encoded pseudo-noise code corresponds to the value of the first information signal</u>.

Claims 2-4 (cancelled)

5.(currently amended)   The method of claim [[2]] <u>1</u>, wherein a second encoded pseudo-noise code is the first pseudo-noise code with one bit inverted.

Claims 6-8 (cancelled)

2

9.(previously amended)   The method of claim 1 further comprising:

storing a table of orthogonal pseudo-noise codes.

10.(original)   The method of claim 9 further wherein a second encoded pseudo-noise code located in the table corresponds to a second user.

Claims 11-20 (cancelled)

21.(currently amended)   A method comprising:

assigning a first pseudo-noise code to a first user of a plurality of users; and

generating a first encoded pseudo-noise code by inverting one bit of the first pseudo-noise code, wherein the position of the one inverted bit of the first encoded pseudo-noise code represents the value of a first information signal,

, wherein the first encoded pseudo-noise code represents a value of a signal to be transmitted.

Claims 22-24 (cancelled)

3

25.(new)   The method of claim 21, further comprising generating a second encoded pseudo-noise code by inverting a second bit of the first pseudo-noise code, wherein the position of the second inverted bit of the second encoded pseudo-noise code represents the value of a second information signal.

26.(new)   The method of claim 21, further comprising:

assigning a second pseudo-noise code to a second user of the plurality of users; and

spreading a second information signal using a second encoded pseudo-noise code generated by inverting one bit of the second pseudo-noise code, wherein the position of the one inverted bit of the second encoded pseudo-noise code represents the value of the second information signal.

27.(new)   The method of claim 1, further comprising generating a second encoded pseudo-noise code by inverting a second bit of the first pseudo-noise code, wherein the position of the second inverted bit of the second encoded pseudo-noise code corresponds to the value of a second signal.

4

28.(new)   The method of claim 1, further comprising:

assigning a second pseudo-noise code to a second user of the plurality of users; and

spreading a second signal using a second encoded pseudo-noise code generated by inverting one bit of the second pseudo-noise code, wherein the position of the one inverted bit of the second encoded pseudo-noise code corresponds to the value of the second signal.

29.(new)   The method of claim 1, further comprising:

transmitting the first encoded pseudo-noise code from a transmitting device; and

storing a table of orthogonal codes in the transmitting device.

5

New Claims

As indicated above, claims 25-29 have been added. Applicant submits that no new matter has been added.

Claims 25 and 26 depend from claim 21 and are believed to be allowable for the same reasons as claim 21.

Claims 27-29 depend from claim 1 and are believed to be allowable for the same reasons as claim 1.

8